

FIG. 1

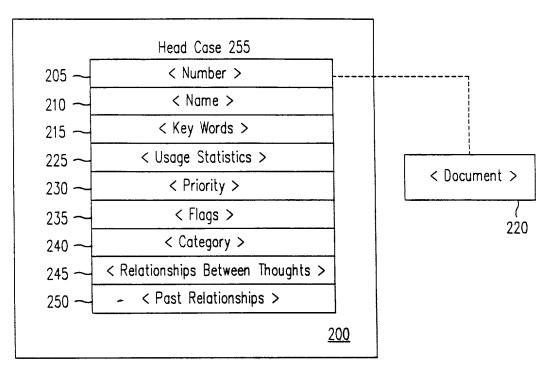


FIG. 2

		71 }	<u> </u>
roperties			
	Cortex		
Key Words	software brain metaphors	s thogh	tinnovative
Category	Company	∇	Categories
Created: Modified:	May 30, 96, 09:57:13 May 30, 96, 09:57:13		

FIG. 7

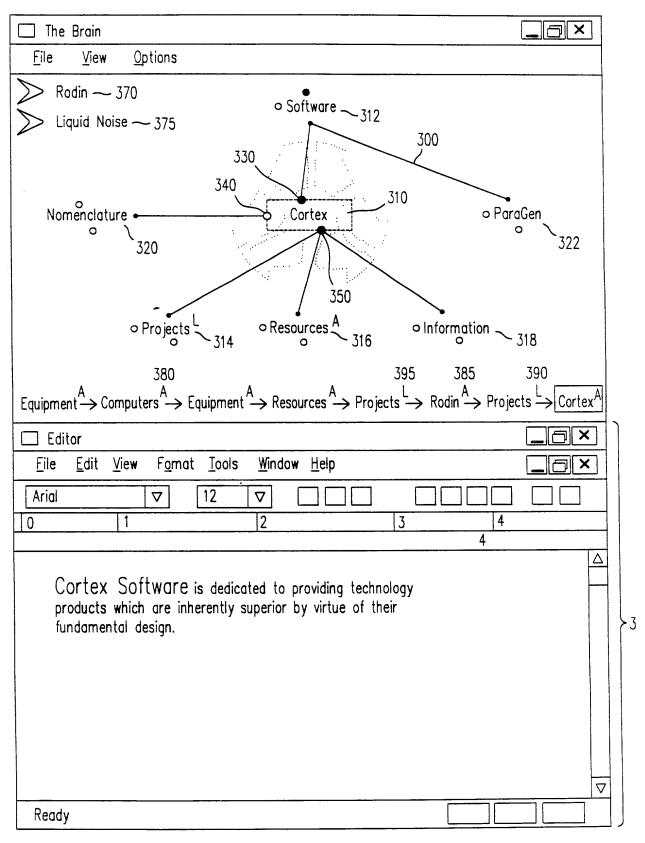


FIG. 3

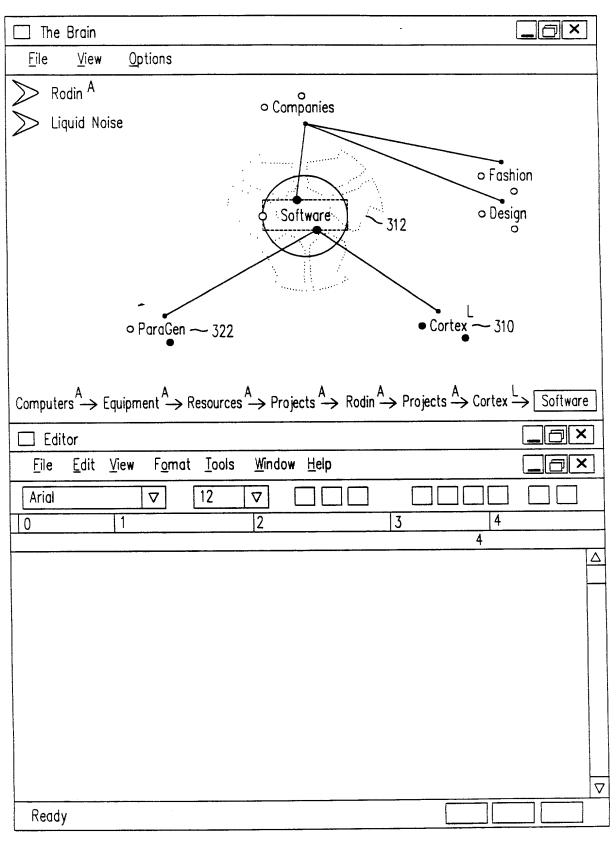


FIG. 4

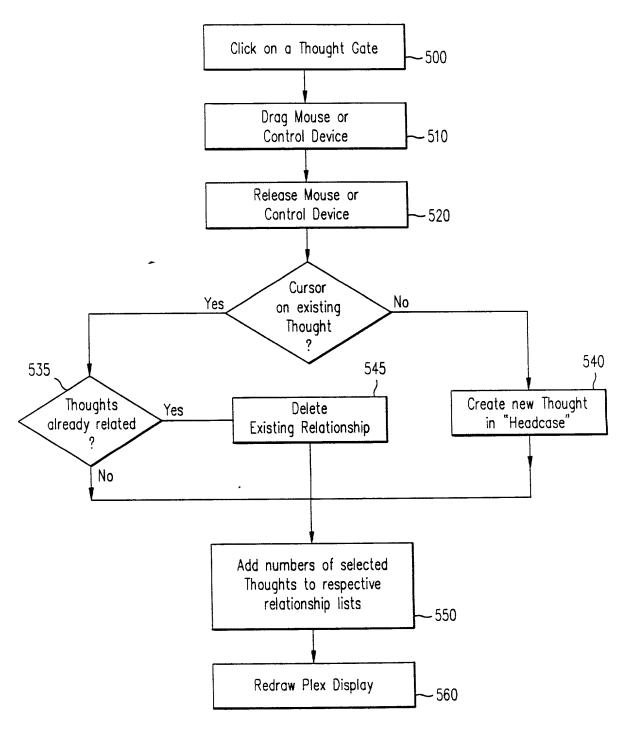


FIG. 5

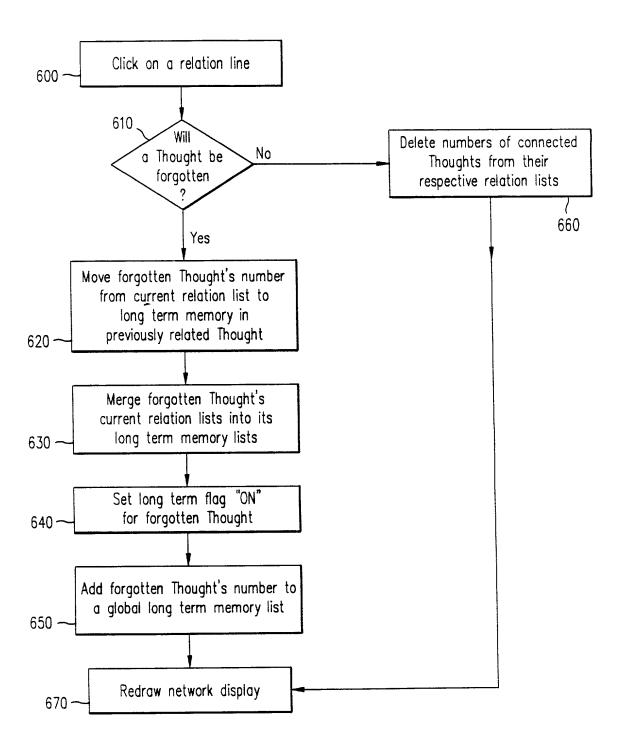


FIG. 6

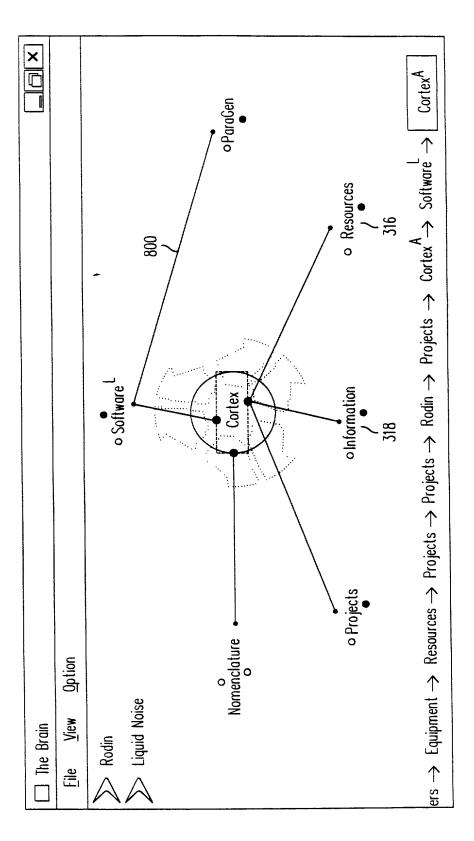
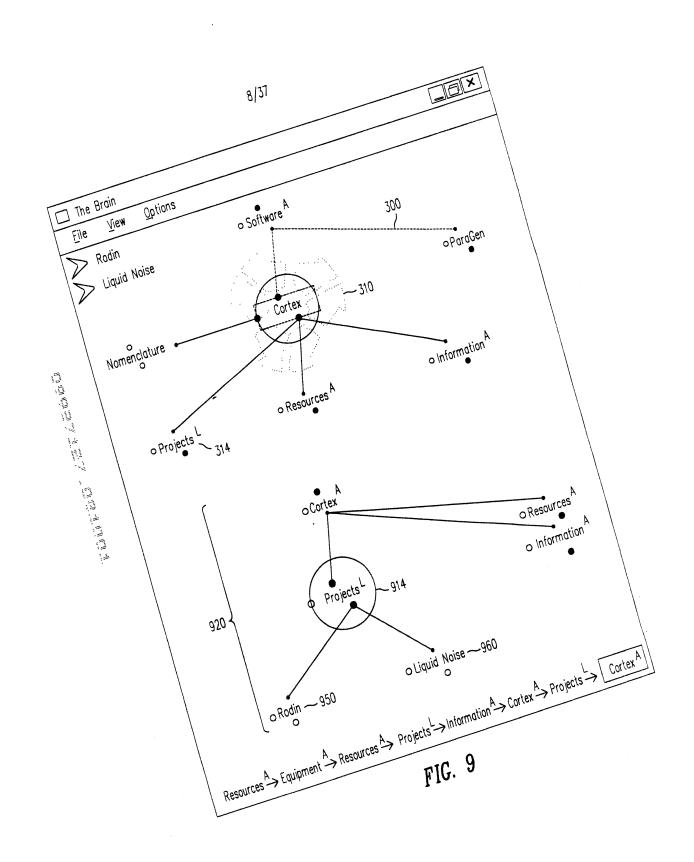


FIG. 8



```
boolean CheckForlsolation(int centralThought, int targetThought)
     // this function checks if centralThought is related to targetThought
      // via any of targetThought's relations (not directly)
      //remove centralThought as a direct relation from targetThought
      RemoveRelation(targetThought, centralThought);
      // create an empty thought list to keep track of the search
        intList searchList=CreateEmptyList();
      // start recursive searches on each of targetThought's direct relations
        int relation=GetFirstRelation(targetThought);
         boolean found;
         do {
                 found=Search(relation, centralThought, searchList);
                  if(found) {
                         //centralThought was found, no need to search any further
                         break;
                //this loop will end when there are no more relations
       while(relation=GetNextRelation(targetThought);
      //add centralThought back onto targetThought as a relation
      AddRelation(targetThought, centralThought);
      return found;
```

FIG. 10a

Figure 10, cont'd

```
boolean Search(source, dest, seachList)
        if(Find(source, searchList)) {
               //source has already been searched
               return FALSE;
        //add source to the searchList
        Add(source, searchList)
         if(source = dest) {
              //this is the destination, we have found it
               return TRUE;
         }
        //recursive searches on each of sources direct relations
        int relation=GetFirstRelation(source);
         boolean found;
         do {
                found=Search(relation, dest, searchList);
                if(found) {
                        //centralThought was found, no need to search any further
                        break;
               //this loop will end when there are no more relations
         } while(relation=GetNextRelation(targetThought);
             return found;
}
```

FIG. 10b

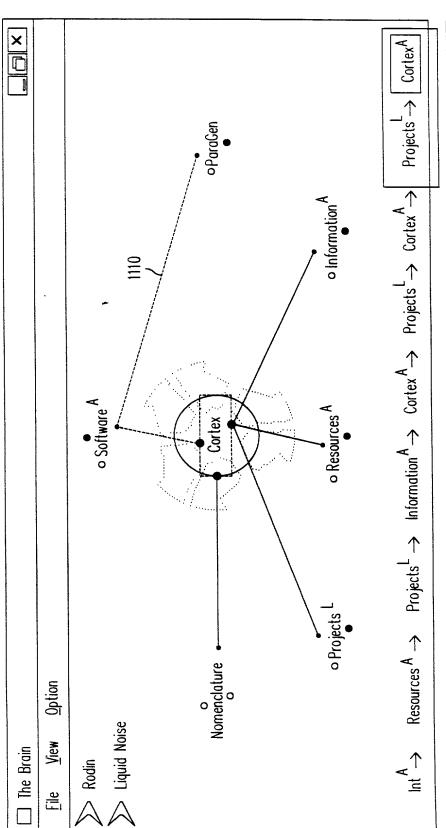


FIG. 11

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Create Predict Thought

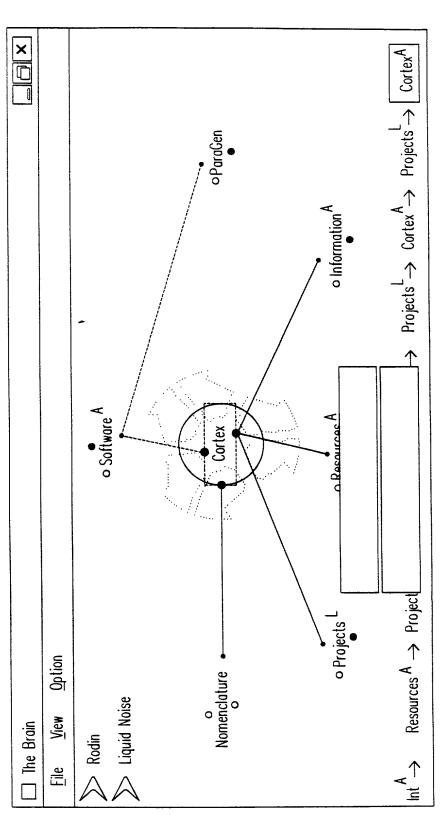
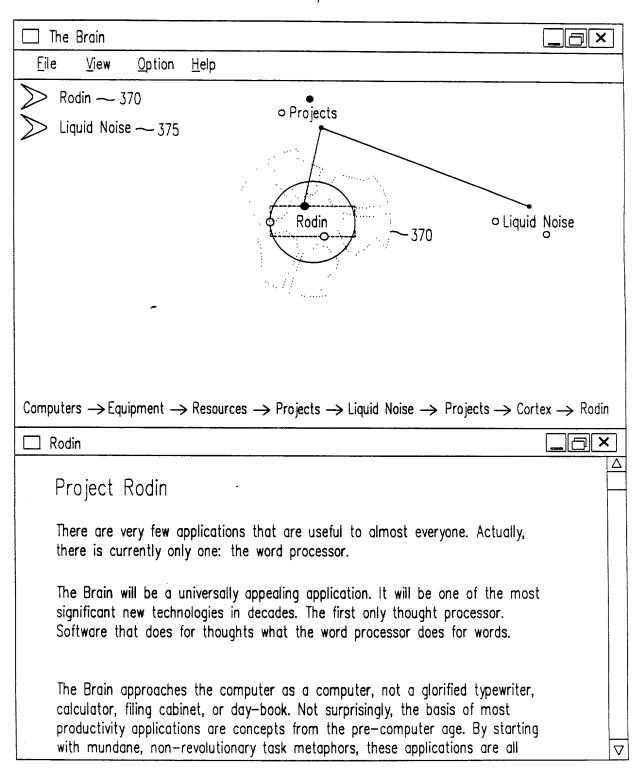


FIG. 12



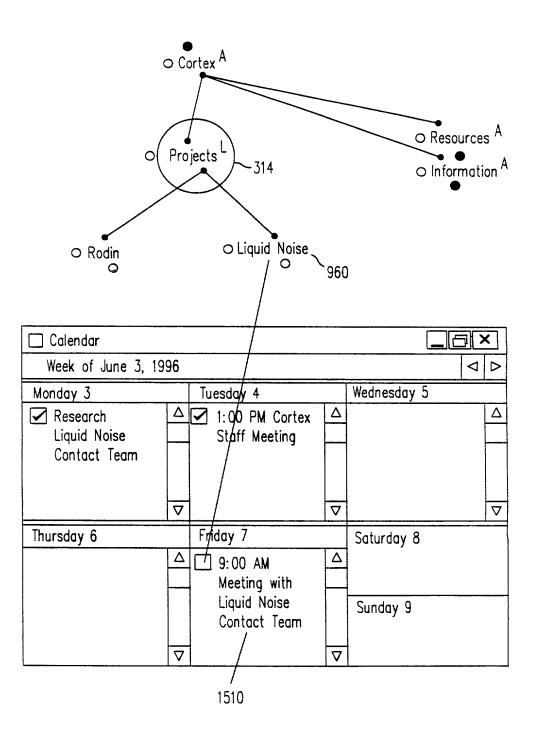
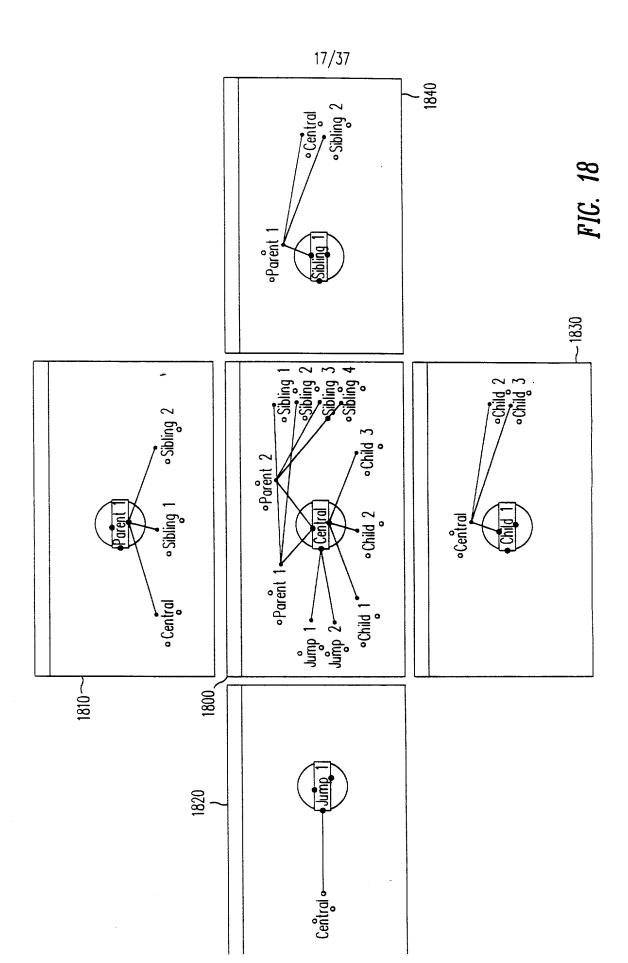


FIG. 15

15/37 .brn file header information signature version thought size number of thoughts other thought number preference information signature color preferences speeds times locations other preferences thought data thought 1 number children parents jumps name location keywords category events time active time created time modified time accessed time forgotten access category priority calendar event info is blank current version number thought 2 thought 3

```
ForgetThought (fNum)
  //mark all the children of the selected thought
   list.Clear();
   MarkChildren (fNum, list);
  //unmark the active thought
   list, RemoveThought (activeThought);
  // unmark thoughts with unmarked parents
   !Num = list.GetFirstNum();
   while(|Num! = 0|
      if(lNum != fNum)
                           //don't unmark the selected thought
        pNum = GetFirstThoughtParent (INum);
        while(pNum != 0)
                                                               MarkChildren(rNum, list);
          if(list.Contains(pNum) == FALSE)
                                                               // remember all the thoughts on the list
                                                              1Num = list.GetFirstNum();
                                                              while(INum != 0)
          if(lsThoughtInLongTermMemory (pNum) == FALSE)
                                                                 Remember Thought (INum);
         //unmark all the children of the unmarked parent
                                                                 1Num = list.GetNextNum();
         childList.Clear();
          MarkChildren(pNum, childList);
                                                             MarkChildren(num, list)
          list.RemoveList(childList);
                                                                list.AddThought(num);
      pNum = GetNextThoughtParent(INum);
                                                                cNum = GetFirstChild(num);
                                                                while(cNum != 0)
                                                                  MarkChildren(cNum, list);
   1Num = list.GetNextNum();
                                                                  cNum = GetNextChild(num);
       //now forget all the thoughts left on the list
        1Num = list.GetFirstNum();
        while(INum != 0)
         ForgetThought(INum);
         1Num = list.GetNextNum();
     Remember Thought (rNum)
         //mark all the children of the selected thought
         list.Clear();
```

FIG. 17



	18/37 1410
Database	
	Cortex
Key Words	software brain metaphors thought innovative
Categories	Company
Address	9701 West Pico Blvd. #205
City	Los Angeles
State	CA
ZIP	90035
- Telephone	310-552-2541
Fax	310-552-2841
e-mail	cortex@cinenet.net

FIG. 14

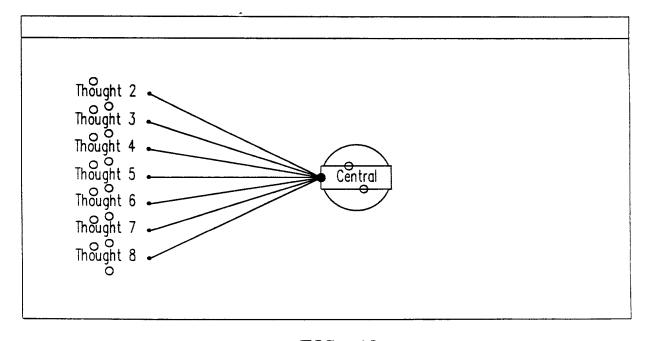


FIG. 19



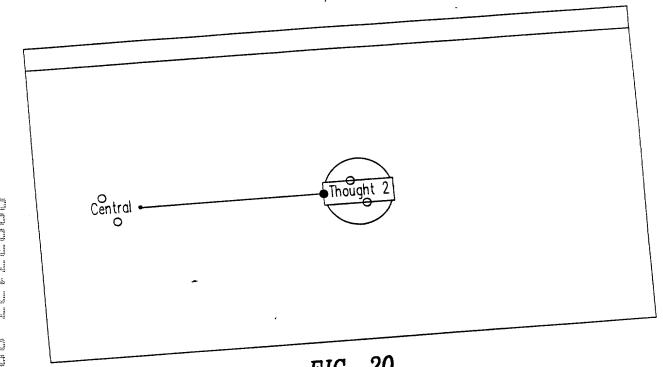


FIG. 20

Name:	Lycos http://www.lycos.com/	Depth 2 □
		☐ Add Redundant ☐ Add Non-Local
		Spider Non-Local
		Start
		Stop
		Sort
		Close

FIG. 35

Document describing the Brain for first time users 0 days 012:11:37 May 07, 97 02:05:14 AM May 07, 97 02:05:14 AM \triangleright NIVIE To External | Delete The Brain.doc Δ File Edit | Arial Keywords File Log [Created Modified Active Name ŝ × G Δ × ٥ <u>_</u> Ln 3 Welcome to the Brain. Heb AR 1.5" Times New Roman 10 The Brain doc Insert ☐ Microsoft Word ☐ File Edit Sec Normal Page

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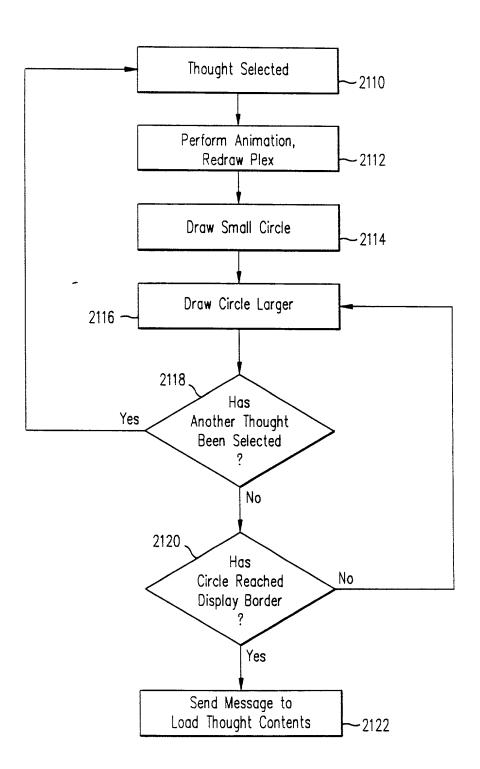


FIG. 22

Algorithm for drawing the plex with distant thoughts

1.	2.	Create a list of thoughts to be drawn and their on screen locations: Add the central thought to the list.
	3.	Add children to the list.
	4.	Add parents to the list.
	5.	Add jumps to the list.
	6.	Add siblings to the list, checking first that they are not already on the list.
	7.	Add distants of children to the list, checking first that they are not already on the list.
	8.	Add distants of parents to the list, checking first that they are not already on the list.
	9.	Add distants of jumps to the list, checking first that they are not already on the list.
	10.	Add distants of siblings to the list, checking first that
	10.	they are not already on the list.
11.		Draw the lines that connect each thought:
' ' •	12.	For each item in the list:
		13. Get each item in the list:
		14. If the two items are related, draw lines
		between them from and to the appropriate
		gates.
15.		Draw the distant thoughts:
	16.	For each item in the list:
		17. If it is a distant thought, draw it.
18.		Draw the other thoughts:
	19.	For each item in the list:
		20. If it is not a distant thought, draw it.

FIG. 23

```
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line connects the method for searching thoughts
lines to find a route from nSrc to nDest other than a direct relation
returns TRUE if found
boolean Search(int nSrc. int nDest)
    //create the lists
    ThoughtList posList;
                              list of thoughts that possibly connect
    ThoughtList notList;
                              list of thought that do not connect
    //empty the lists
     posList.Initialize();
     notList.Initialize();
    //add the source to the not list since we cannot go directly to the destination
     notList.Add(nSrc);
    //since we cannot go directly to the destination,
    //add all relates except the destination to the possible list
     Thought src(nSrc):
     for(int n = 0; ; n++)
           int nRel = src.GetRelate(n);
           if(!nRel)
                                                                int nRel = test.GetRelate(n);
                                                                if(!nRel)
                 //no more relations, done
                 break;
                                                                         //no more relations, done
                                                                          break:
           if(nRel != nDest)
                                                                if(!notList.Exists(nRel))
                 // add it to the possibly connect list
                 posList.Add(nRel);
                                                                      //not checked yet, add to possible list
                                                                            posList.Add(rel);
  while(TRUE)
                                                                   //remove this one from the possible list
           //check the first possibility
                                                                      posList.Remove(nTest);
           int nTest = posList.GetFirst();
           if(!nTest)
                                                                 // we've checked everything there is
                                                                    no other way to get from nSrc to nDest
                   //nothing on the list, done
                                                                    return FALSE:
                   break:
           Thought test(nTest);
           if(test.lsRelated(nDest))
                   //this one is related to the destination, we're done
                   return TRUE:
          //does not connect, add it to the does not connect list
          notList.Add(nTest);
          //add all related thoughts except those already checked to possible list
                                                                                             FIG. 24
           for(int n = 0; ;++)
```

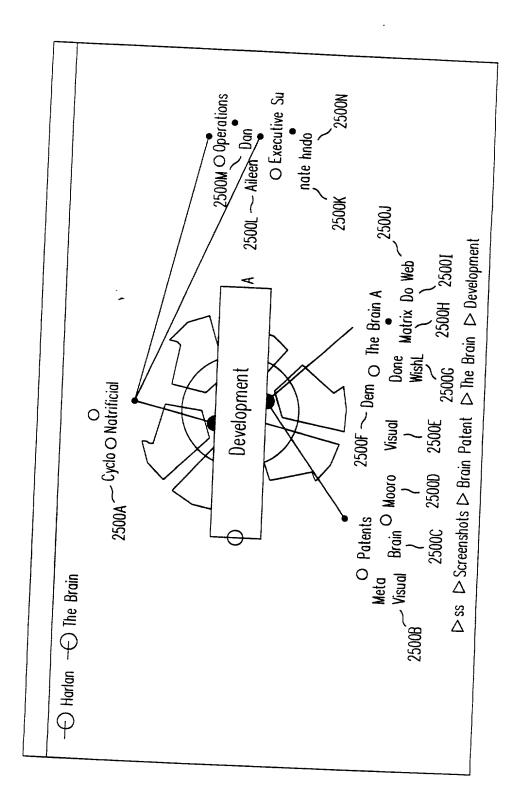


FIG. 25

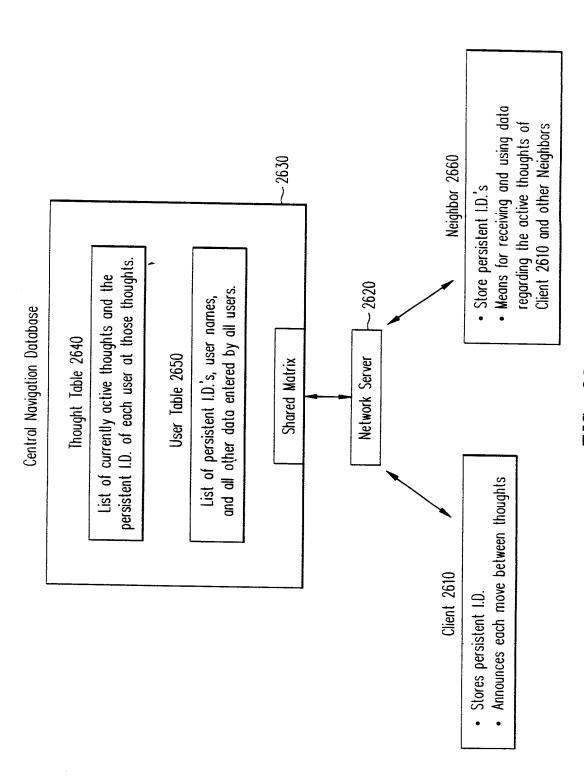
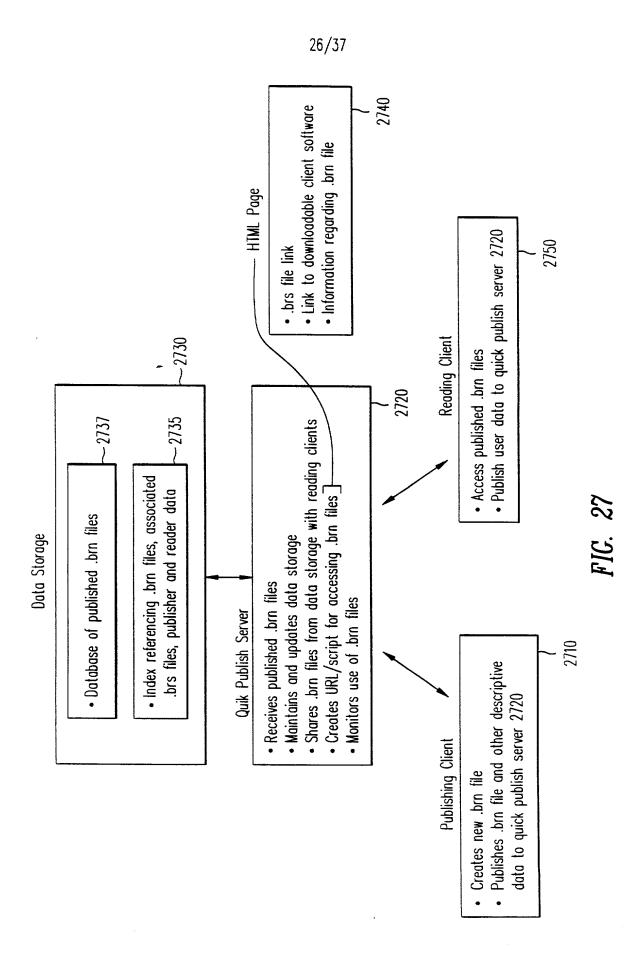


FIG. 26



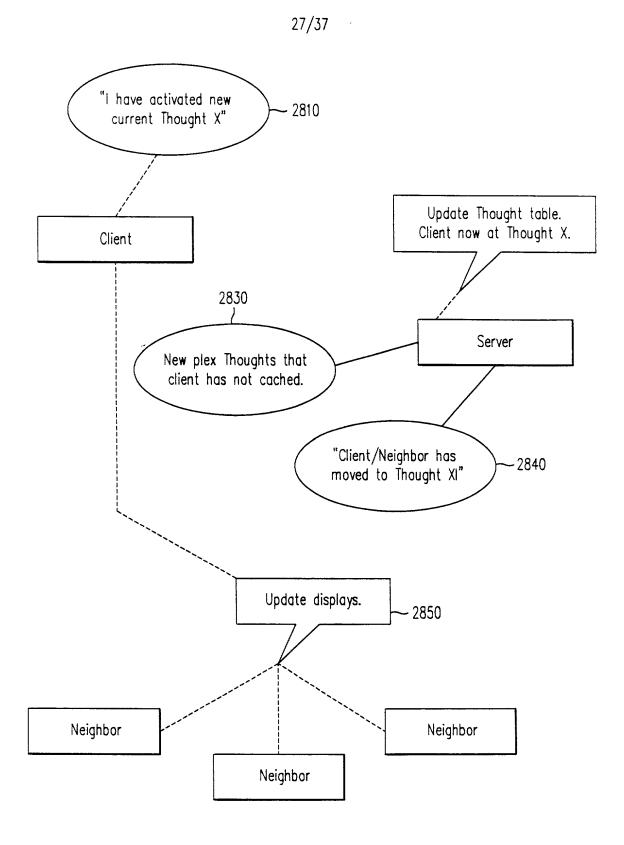
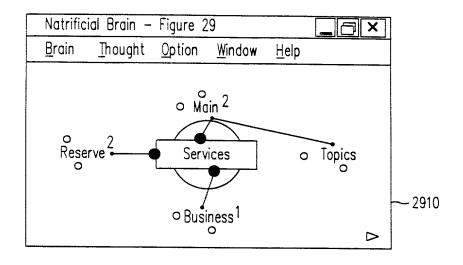
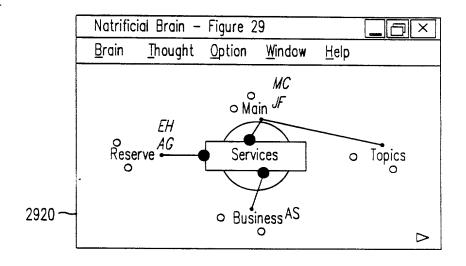


FIG. 28





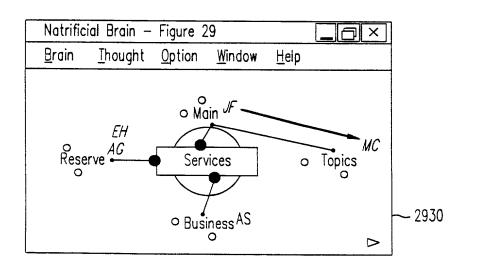
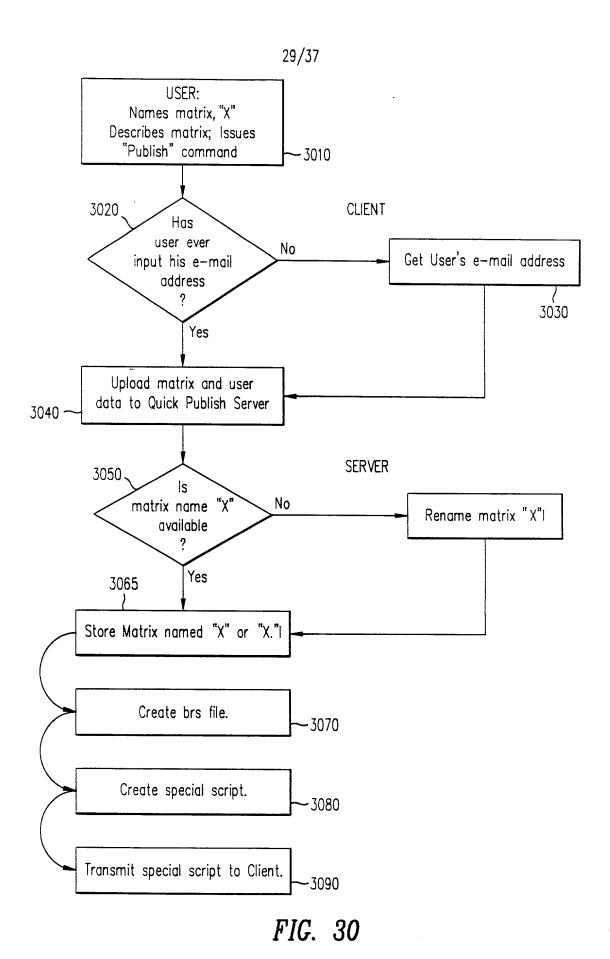
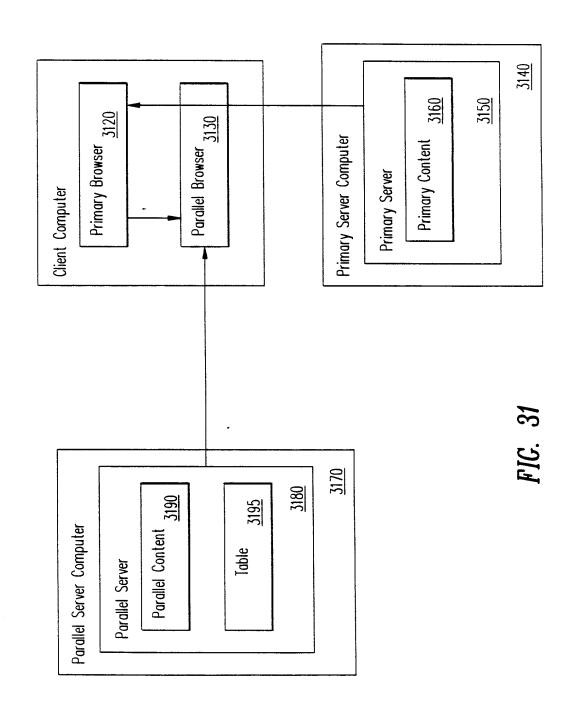


FIG. 29





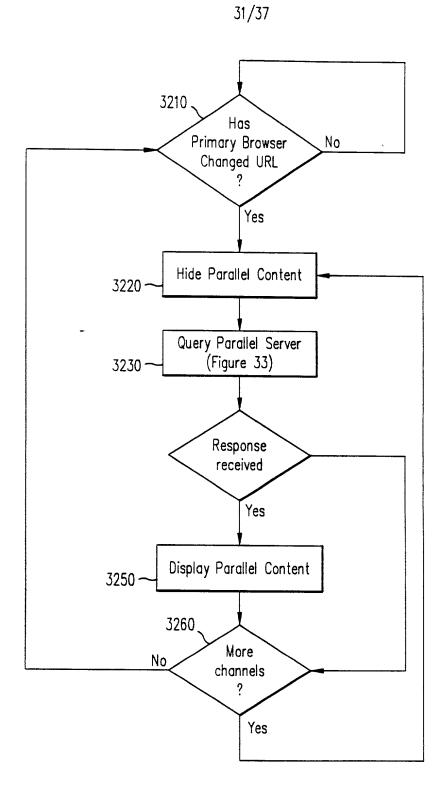


FIG. 32

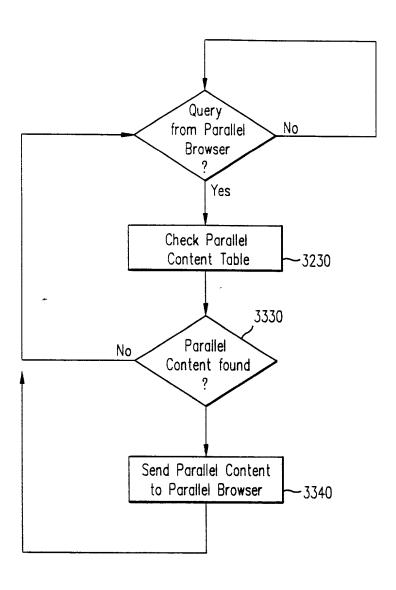
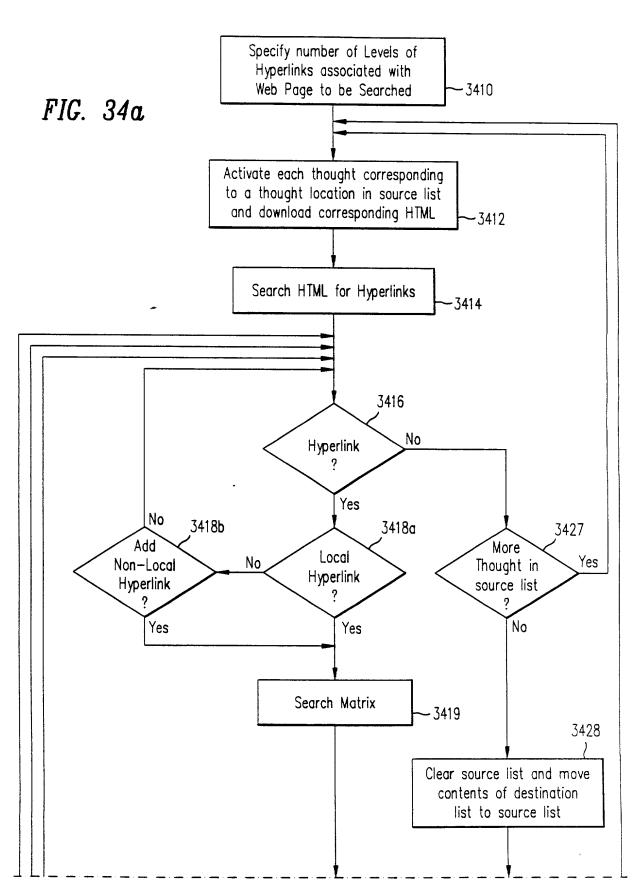
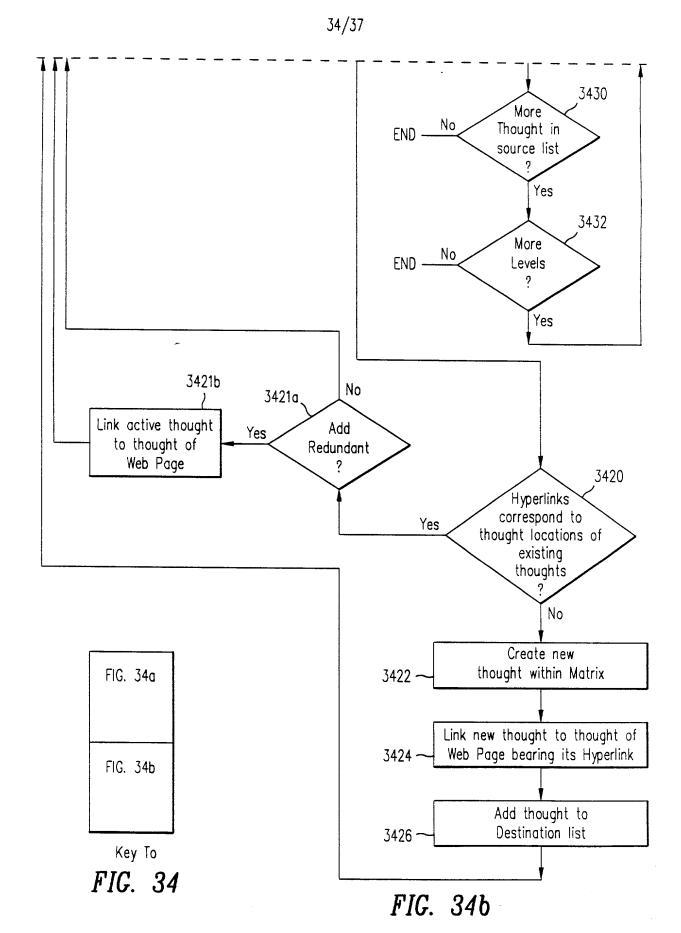


FIG. 33





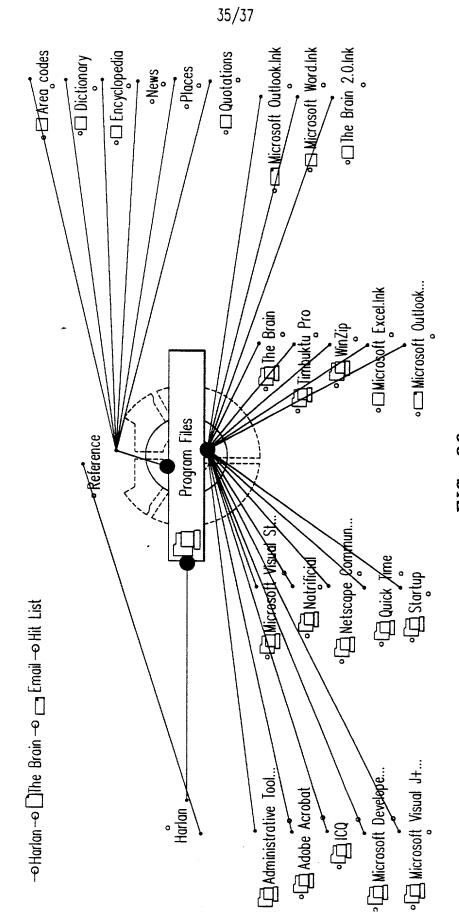


FIG. 36

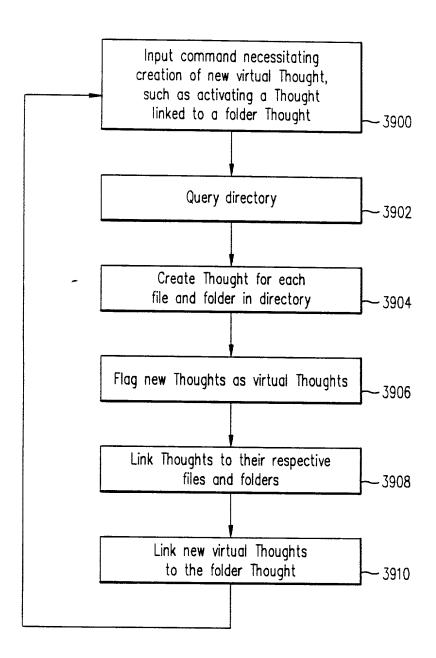


FIG. 37

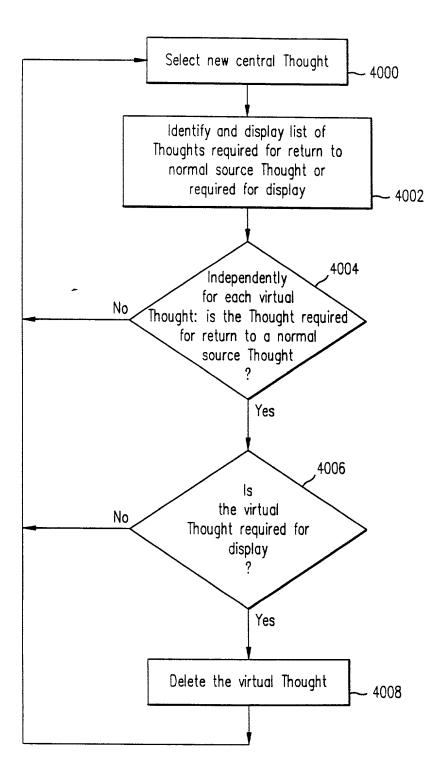


FIG. 38